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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE    | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|-----------------|---------|----------------|-------|----------|-------------------------------|
| DG                  | AA | 5200962         | 4/1993  | Kao et al.     | 371   | 41       |                               |
| DG                  | AB | 5745504         | 4/1998  | Bang           | 371   | 37.1     |                               |
| DG                  | AC | 6009203         | 12/1999 | Liu et al      | 382   | 233      |                               |
| DG                  | AD | 5233629         | 8/1993  | Paik et al     | 375   | 39       |                               |
| DG                  | AE | 4862464         | 8/1989  | Beitz et al    | 371   | 43       |                               |
| DG                  | AF | 5206864         | 4/1993  | McConnell      | 371   | 37.4     |                               |
| DG                  | AG | 5841794         | 11/1998 | Inoue et al.   | 371   | 37.4     |                               |
| DG                  | AH | 5910967         | 6/1999  | Vanderaar      | 375   | 265      |                               |
| DG                  | AI | 5870405         | 2/1999  | Harzwick et al | 371   | 2.1      |                               |
| DG                  | AJ | 5517511         | 5/1996  | Harzwick et al | 371   | 37.4     |                               |
| DG                  | AK | 5983382         | 11/1999 | Pauli          | 714   | 44       |                               |

## FOREIGN PATENT DOCUMENTS

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| DG               | AA | 5311177         | 5/1994  | Kimura et al   | 341   | 51       |                            |
| DG               | AB | 5587210         | 12/1996 | Choo et al     | 341   | 107      |                            |
| DG               | AC | 5418863         | 5/1995  | Ando           | 382   | 56       |                            |
| DG               | AD | 4295125         | 10/1981 | Langdon Jr     | 340   | 347      |                            |
| DG               | AE | 4286256         | 8/1981  | Langdon Jr     | 340   | 347      |                            |
| DG               | AF | 5274081         | 6/1998  | Cheng et al    | 341   | 107      |                            |
| DG               | AG | 5715332         | 2/1998  | Nakawishi      | 382   | 232      |                            |
| DG               | AH | 5710826         | 1/1998  | Osawa et al    | 382   | 166      |                            |
| DG               | AI | 5317428         | 5/1994  | Osawa et al    | 358   | 539      |                            |
| DG               | AJ | 5708510         | 1/1998  | Maruyama et al | 358   | 426      |                            |
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DG "Error Recovery for Variable Length Codes", Maxted et al., IEEE Trans. on Information Theory, IT-31, p. 794-801, (Nov. 1985) examines the effect of errors on variable length codes.

DG "Error Recovery for Variable Length Codes", Monaco, IEEE Trans. on Information Theory, IT-33, p. 454-456, (May 1987) provides corrections and additions to the Maxted article.

DG "Simplified Expression for the Expected Error Span Recovery for Variable Length Codes", Soualhi et al., Intl. J. of Electronics, Vol. 75, p. 811-816, (Nov. 1993); ~~(NOT AVAILABLE PRESENTLY)~~  
Issue 5, 1993

~~"Effects of a Binary Symetric Channel on the Synchronization Recovery of Variable length Codes", Rahman et al., Computer J., 32, p. 783-792, (Feb. 1994); (NOT AVAILABLE PRESENTLY)~~

DG "Error States and Synchronization Recovery for Variable Length Codes", Takishima et al., IEEE Trans. on Communications, 42, p. 783-792;

DG "More on the Error Recovery for Variable Length Codes", Swaszek et al., IEEE Trans. on Information Theory, IT-41, p. 2064-2071, (Nov. 1995);

DG "Implementation Issues in MAP Joint Source/Channel Coding", Sayood, Li and Gibson, Proc. 22nd Annular Asilomar Conf. on Circuits, Systems, and Computers, p. 102-106, IEEE, (Nov. 1988).

DG "Decoding Entropy-Coded Symbols Over Noisy Channels by MAP Sequency Estimation for Asynchronous HMMs", Park et al., Proc. Conference on Information Sciences and Systems, IEEE, (March 1999).

DG "Robust Transmissions of Variable-Length Encoded Sources", Mruad and Fuja, in Proc. IEEE Wireless and Networking Conf. 1999, (Sept. 1999); and

DG "Joint Source Channel Coding for Variable Length Codes", Sayood, Otu and Demir, IEEE Transactions on Communications, 48 p. 787-794, (May 2000).

DG "Robust Image Compression Based on Self-Synchronizing Huffman Code and Inter-Subband Dependency", Yang, Proc. thirty-second Asilomar Conference on Signals, Systems and Computers, p. 986-972 (Nov. 1997).

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- DG "Robust Image Compression for Time Varying Channels", Regunathan et al., Proc. Thirty-first Asilomar Conf. on Signals, Systems and Computers, p. 968-972, (Nov. 1997).
- DG "Progressive Image Coding for Noisy Channels", by Sherwood et al., IEEE Signal Processing Lett., 4 p. 189-191, (July 1997).
- DG "Arithmetic Coding Algorithm with Embedded Channel Coding", ElMasry, Electronics Lett., 33 p. 1687-1688, (Sept. 1997).
- DG "Integrating Error Detection into Arithmetic Coding", Boyd et al., IEEE Transactions on Communications, 45(1), p. 1-3, (Jan. 1997)
- DG "Image Transmission Using Arithmetic Coding Based on Continuous Error Detection", Kozintsev et al., Proc. of Data Compression Conf. p. 339-348, IEEE Computer Society Press, (1998).

DRB and 1/29/2004